

CLAIMS

What is claimed is:

1. A jack assembly for minimizing alien crosstalk, comprising:
a frame configured to receive a number of jacks such that said jacks include adjacent jacks; and
a number of shield structures configured to separate said adjacent jacks.
2. The jack assembly of claim 1, wherein said shield structures are not grounded.
3. The jack assembly of claim 1, wherein said shield structures are attached to said frame and extend away from a surface of said frame to separate said adjacent jacks.
4. The jack assembly of claim 3, wherein said shield structures are permanently fixed to said frame.
5. The jack assembly of claim 3, wherein said shield structures extend away from said frame at a height at least substantially similar to a height of said jacks.
6. The jack assembly of claim 1, wherein said shield structures comprise shielded termination caps.
7. The jack assembly of claim 1, wherein said shield structures form at least a partial perimeter about said jacks.
8. The jack assembly of claim 1, wherein said shield structures are positioned along the IDC's of a first said jacks such that at least one of said jack.

9. The jack assembly of claim 1, wherein said jacks include IDC's, said shield structures being configured to be easily coupled to said frame after said jacks have been received by said jack.

10. The jack assembly of claim 1, wherein said shield structures are configured to be easily coupled to one of said jacks have been received by said frame.

11. The jack assembly of claim 1, wherein said jacks include IDC's, said shield structures being configured to be easily coupled to one of each of said jacks.

12. The jack assembly of claim 1, wherein each of said jacks.

13. The jack assembly of claim 1, wherein said number of shield structures consists of one shield structure configured to separate said adjacent jacks.

14. The jack assembly of claim 1, wherein said adjacent jacks comprise any of said jacks positioned no more than approximately two inches from another of said jacks.

15. The jack assembly of claim 1, wherein said shield structures comprise a conductive material.

16. The jack assembly of claim 15, wherein said conductive material includes a number of conductive elements positioned such that said shield structure is not conductive.

17. The jack assembly of claim 15, wherein said conductive material is applied to a surface of said shield structure.

18. The jack assembly of claim 17, further comprising an insulator applied over said conductive material.

19. The apparatus of claim 1, wherein said jacks comprises a conductive material.

20. The jack assembly of claim 1. A shield structure for minimizing alien crosstalk, comprising:

21. The jack assembly of claim 1, wherein said frame forms a number of jack receptacles configured to receive said jacks, said shield structures being configured for easy attachment between said jack receptacles.

22. The jack assembly of claim 1, wherein each of said shield structures comprises two parts configured to be combined to form a lateral perimeter about each of said jacks.

23. The jack assembly of claim 1, wherein said adjacent jacks are at least one of offset, angled, staggered, and inverted in relation to one another.

24. The jack assembly of claim 1, wherein no more than two said adjacent jacks share a common orthogonal plane.

25. The jack assembly of claim 1, wherein a first of said adjacent jacks includes a signal compensator configured to compensate for alien crosstalk induced by a second of said adjacent jacks.

26. An apparatus for minimizing alien crosstalk, comprising:

a frame forming jack receptacles, said jack receptacles including adjacent jack receptacles, wherein each of said jack receptacles is configured to receive a jack; and

a shield structure coupled to said frame and extending away from said frame to separate said adjacent jack receptacles.

27. The jack of claim 26, wherein said shield sections are not grounded.

28. The jack of claim 26, wherein said shield structure is configured to said frame.

29. The apparatus of claim 26, wherein said shield structure forms at least a partial perimeter about said jack receptacles.

30. The jack assembly of claim 26, wherein said shield structure extends away from said frame at a height at least substantially similar to a height of the received jacks.

31. The jack assembly of claim 26, wherein said adjacent jack receptacles comprise any of said jack receptacles positioned no more than approximately two inches from one another.

32. The jack assembly of claim 26, wherein said shield structure comprises a number of conductive elements positioned such that said shield structure is not conductive.

33. The jack assembly of claim 32, wherein said shield structure includes a conductive material applied to a surface of said shield structure.

34. The jack assembly of claim 26, wherein said jack receptacles are configured to receive said jacks in at least one of staggered, offset, angled, and inverted positions.

35. The jack assembly of claim 34, wherein no more than two said adjacent jack receptacles share a common orthogonal plane.

36. A shield structure for minimizing alien crosstalk, comprising:
a termination cap configured to fit about a jack, said termination cap comprising a number of shield sections positioned along at least one surface of said jack.

37. The shield structure of claim 36, wherein said shield sections include an ungrounded conductive material.

38. The shield structure of claim 36, wherein said shield sections comprise conductive coatings applied to surfaces of said termination cap.

39. The shield structure of claim 38, further comprising insulators applied over said conductive coatings.

40. The shield structure of claim 36, wherein said shield sections comprise conductive elements positioned such that said shield sections are not conductive.

41. The shield structure of claim 36, wherein said jack includes IDC's, and wherein said termination cap can be coupled to said jack without having to be slid from an end of a cable attached to the IDC's of said jack.

42. The shield structure of claim 36, wherein said number of shield sections are positioned along at least two adjoining lateral surfaces of said jack.

43. A jack for minimizing alien crosstalk, comprising:
a number of outer surfaces; and
a number of shield sections applied to at least a subset of said number of outer surfaces.

44. The jack of claim 43, wherein said shield sections are not grounded.

45. The jack of claim 43, wherein a thickness of said shield sections is controlled such that said jack is configured to fit in standard jack receptacles.

46. The jack of claim 43, wherein said shield sections comprise a conductive material.

47. The jack of claim 46, further comprising an insulator applied to said shield sections.

48. The jack of claim 43, wherein said shield sections comprise conductive material positioned such that said shield sections are not conductive.

49. The jack of claim 43, wherein said shield sections are applied to outer surfaces of at least two lateral sides of said jack.